

WEST**End of Result Set**
 Generate Collection Print

L1: Entry 1 of 1

File: DWPI

DERWENT-ACC-NO: 1970-19832R

DERWENT-WEEK: 197012

COPYRIGHT 2003 DERWENT INFORMATION LTD

TITLE: Catalyst for co oligomerisation of butadiene and ethy - lene

PATENT-ASSIGNEE:

ASSIGNEE

CODE

TOYO RAYON CO LTD

TORA

PRIORITY-DATA: 1965JP-0025581 (May 1, 1965)

PATENT-FAMILY:

PUB-NO

PUB-DATE

LANGUAGE

PAGES

MAIN-IPC

JP 70007522 B

000

ABSTRACTED-PUB-NO: JP 70007522B

BASIC-ABSTRACT:

Butadiene is reacted with ethylene, in the presence of catalyst which consists of (1) metal complex of general formula:-(where M is Ni or Co, Ph is phenyl radical) and (2) organic Al cpd. of general formula R3Al or A2AlX (where R is hydrocarbon radical; X is halogen atom).

Hexadiene and n-decatriene as cooligomers can be obtained in high yield when butadiene is reacted with ethylene in the presence of this combined catalyst. Metal-bis-dithiobenzyl complex in which S atom is bonded to Ni or Co, the first constituent of the catalyst, shows different performance from the conventional catalyst system, as 1,3-hexadiene and cyclodecadiene are obtd. as cooligomers when catalyst consisting of cpd. in which halogen, oxygen or nitrogen is bonded to transition metal, esp. Co or Ni, with organic Al cpd. is used.

TITLE-TERMS: CATALYST CO OLIGOMERISE BUTADIENE

DERWENT-CLASS: A12 E12

CPI-CODES: A01-B03; A01-C05; A02-A06; A04-B05; A04-G08; A10-B08; E05-B; E05-L02;

CHEMICAL-CODES:

Chemical Indexing M3 * 1*

Fragmentation Code

H4 M121 M135 A428 A960 C110 A433 A427 G100 M532
 H496 M630 N510 N510 Q121 M510 M520 M540 M730 M760
 M751 M752 R204 X411 M831

Chemical Indexing M3 * 2*

Fragmentation Code

A541 M21 M510 M510 M510 M510 M510 M510 M510 M510
 A528 M117 M135 M153 M521 M534 M535 M535 M535 M535
 M535 M535 M535 M535 M535 M535 M535 M535 M535
 M535 M535 M535 M535 M535 M535 M535 M535 M535

Chemical Indexing M3 *03*

Fragmentation Code

M7 M616 M711 M722 M723 M132 M233 M331 M333 N010
M310 Q110 Q120 M510 M520 M530 M540 M720 N416 M931

Multipunch Codes: 01- 041 046 054 117 125 127 134 174 263 278 284 287 689 693 723 01- 039 041
046 047 117 122 278 284 287 680 689 691 693

Number	Hits	Search Text	DB	Time stamp
1	33780	oligomeris6 or dimeris6 or trimeris6 or polymeris6	USPAT; US-PPGPUB	2003/02/05 08:45
2	573	dithiolenes1 or dithiolates1 or enedithiolates1	USPAT; US-PPGPUB	2003/02/05 08:46
3	326	oligomeris6 or dimeris6 or trimeris6 or polymeris6 and dithiolenes1 or dithiolates1 or enedithiolates1	USPAT; US-PPGPUB	2003/02/05 08:31
10	100398	oligomeris6 or dimeris6 or trimeris6 or polymeris6	USCCR	2003/02/05 08:48
11	40	dithiolenes1 or dithiolates1 or enedithiolates1	USCCR	2003/02/05 08:47
12	13	oligomeris6 or dimeris6 or trimeris6 or polymeris6 and dithiolenes1 or dithiolates1 or enedithiolates1	USCCR	2003/02/05 08:46
13	245	dithiolenes1 or dithiolates1 or enedithiolates1	EPO; JPO; DERWENT	2003/02/05 08:48
14	341368	oligomeris6 or dimeris6 or trimeris6 or polymeris6	EPO; JPO; DERWENT	2003/02/05 08:48
15	22	(dithiolenes1 or dithiolates1 or enedithiolates1) and (oligomeris6 or dimeris6 or trimeris6 or polymeris6)	EPO; JPO; DERWENT	2003/02/05 08:46